

IN THE SPECIFICATION

Please amend the specification as follows:

Replace the paragraph on ~~page 2~~, between lines 1-9 of the
specification with the following:

a2 To this end, a first aspect of the invention provides a system for increasing the brightness of a portion of a video signal as ~~defined in claim 1~~ by increasing display illumination and decreasing amplitude of the video signal outside the portion. A second aspect of the invention provides a computer supplying the signals required to enable an LCD monitor to increase the brightness of a portion of a video signal ~~as defined in claim 13~~. A third aspect of the invention provides an LCD monitor adapted to be able to increase the brightness of a portion of a video signal ~~as defined in claim 15~~. A fourth aspect of the invention provides a method of increasing the brightness of a portion of a video signal ~~as defined in claim 16~~. Advantageous embodiments are defined in the dependent ~~claims~~.

Replace the ~~paragraph~~ on page 3, between lines 11-15 of the specification with the following:

a3 In another embodiment ~~of the invention as defined in claim 2,~~
the LCD unit comprises a video-processing circuit which receives an
input video signal to supply a display video signal to the LCD
device. The signal-generating unit comprises a video adapter (also
generally referred to as graphics adapter, or video card) to supply
the input video signal, and a control unit for generating the
control information.

Replace the ~~paragraph~~ on page 3, between lines 16-23 of the
specification with the following:

a4 In another embodiment ~~of the invention as defined in claim 3,~~
the amplitude-modifying means has been adapted to decrease an
amplitude of the video signal outside the portion when the control
signal indicates to do so, so that the light output (and, if
desired, the color attributes) of the display video signal not
belonging to the portion are kept substantially constant. The
portion of the display video signal whose brightness has to be
increased corresponds to an area on the LCD screen. This area may
be a rectangular window as produced by the operating system Windows
®. The area may have any other shape. The area may even consist of
background information between the characters of a text.

Replace the paragraph on page 3, between lines 24-26 of the specification with the following:

a5 In another embodiment ~~of the invention as defined in claim 4,~~
the amplitude-modifying means comprises a controllable amplifier
which controls an amplitude of the input video signal in response
to the control signal.

Replace the paragraph spanning pages 3-4 between page 3, line 27, and page 4, line 3 of the specification with the following:

ab
cm+ In another embodiment ~~of the invention as defined in claim 5,~~
the amplitude-modifying means is present in the computer. A
suitable graphics adapter is used which, for example comprises a
multiplying digital-to-analog converter and a color LUT (Look-Up
Table). This multiplying digital-to-analog converter may be
controlled to locally decrease the amplitude of the video signal.
The look-up table may be implemented in the usual way by storing
values in a memory. The video signal (usually the three RGB
signals) is multiplied by the factor stored in the memory. The
memory is addressed in dependence on the desired correction to
supply the corresponding factors. This embodiment has the advantage

a6
cmdl that the information determining the area where the amplitude of video information should be decreased need not be incorporated in the control signal provided from the computer to the monitor.

Replace the paragraph on page 4, between lines 4-7 of the specification with the following:

In another embodiment ~~of the invention as defined in claim 6,~~ again, the amplitude-modifying means is present in the computer.

a7 Now, the calculating unit, which may be a microprocessor, may adapt the data in the memory of the graphics adapter to locally decrease the amplitude of the video signal under software control.

Replace the paragraph on page 4, between lines 8-12 of the specification with the following:

a8 In another embodiment ~~of the invention as defined in claim 7,~~ the microprocessor generates the control signal in response to a user input command. For example, the user may indicate the amount by which the light output of the lighting unit has to be increased. Alternatively, the user may indicate which predetermined area or window has to be highlighted.

Replace the paragraph on page 4, between lines 13-24 of the specification with the following:

09 In another embodiment ~~of the invention as defined in claim 8,~~ the computer comprises an encoder for encoding the control signal in such a way that the control signal can be efficiently transferred to the monitor. Preferably, the control signal is encoded in the video signal(s) or the synchronization signal(s). In this way, the control signal is transferred via the standard interface between the computer and the monitor. Usually, the video signals comprise the R, G and B signals. The control signal may be a signal comprising information on the amount of light to be produced by the lighting system, and information about the areas of the picture that have to be highlighted, or complementary information indicating in which areas the amplitude of the video signal has to be decreased to keep the brightness displayed substantially constant. These areas may be indicated by its coordinates. The monitor comprises a decoder to retrieve the control information to control the lighting system and the amplification factor of the controllable amplifier and/or LUT if present in the monitor.